

In the specification:

Page 1, amend the paragraph in lines 3-11 as follows:

More particularly, it relates to electromagnetic seismic sensors. Electromagnetic seismic sensors are known in the art. One of the known electromagnetic seismic sensors includes a core with a winding which is movable in an electromagnetic field under the action of seismic activity, so that a corresponding electrical signal is produced and detected, which is indicative of the seismic activity. One of such sensors is disclosed in our patent application serial no. 10/659,298 filed 09/11/2003. It is believed that the existing seismic sensors of the above mentioned general type can be further improved.

Page 7 ,amend the paragraph in lines 8-18 as follows:

The seismic sensor is further provided with an element 14 for increasing the mass of the movable plate 6. The element 14 increases the mass of the movable plate 6 and therefore enhances its oscillations relative to the immovable plate 5 under the action of seismic activity. The mass increasing element 14 includes a rod 15 which is connected with the

~~immovable~~movable plate 6, and an outer shield 16 which is connected with the opposite end of the rod 15. Two annular bushings 17 and 18 are located outside of the case 1 and immovably connected with the shield 16. The bushings 17 and 18 carry disc shaped springs 19 and 20 adapted to cooperate with lower and upper substantially horizontal portions of the case 1.